

CENTRAL INTELLIGENCE AGENCY
SECURITY INFORMATION
INFORMATION REPORT

REPORT NO. [REDACTED]

CD NO. [REDACTED]

COUNTRY USSR (Latvian SSR)

DATE DISTR. 11 Feb 1952

SUBJECT Superphosphate Plant in Riga

NO. OF PAGES 2

PLACE 25X1A

25X1A

PLACE
ACQUIRED [REDACTED]

NO. OF ENCLS. 3
(LISTED BELOW)

DATE OF
INFO. [REDACTED]

ROY AFTER USE

SUPPLEMENT TO
REPORT NO.

25X1X

1. Location:

Several km north of Riga (24°05'E/56°57'N), Latvian SSR, on the southern bank of the Muehlgraben Canal and the western side of the Lake Stint.

2. Installations:

Many wooden sheds, used as a food ration dump during the German occupation, were on the site of the plant in 1945. The plans for the construction of the plant were drawn up in the winter of 1945/1946 with the help of PW specialists. The wooden sheds which were in the way were dismantled in May 1946 and construction work was begun. Brick buildings and concrete and steel structures were erected. The plant has a railroad connection. Power is supplied by a power plant near the Muehlgraben Canal. For plant layout sketch, see Annex 1.

3. Work Force:

Two shifts, with a total of about 1,200 PWs assigned to construction and transport work. Four hundred Soviets and Latvians did production work.

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4. Production:

Superphosphate and sulphuric acid.

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5. The chief superintendent for the construction of the plant was an engineer from Moscow. The plans had been drawn up by a German PW architect. Most of the buildings were reinforced concrete structures. The construction of large new workshops indicated that a production increase was planned. For layout sketch, see Annex 2. Annex 3 is a photograph of the sulphuric acid plant.

In the foreground of the photo is the tower and behind it the section with roasting furnaces for pyrites. The arrangement of the electric filters is blocked to view by the roasting furnace department. The high narrow building contains the contact plant.

25X1A [REDACTED] Comment:

a. This is the first detailed report on a new chemical plant near Riga. The location of the plant was entered more accurately in a sketch attached to a previous report on the shipyard located farther to the north. The Muehlgraben Canal was called "Red Dvina" in other reports.

b. The two attached sketches agree except for minor details, proving that the main workshops are shown correctly. Report is of particular value because of the sketches and the aerial photograph of the sulphuric acid plant.

- 3 Annexes: 1.)
 2.) Superphosphate Plant in Riga
 3. Photograph of the sulphuric acid plant

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1 / Annex 1

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Legend to Annex 1

- 1 Club house, five-story brick building, 27 x 12 x 13.5 meters
- 2 Administration building, five-story brick building, 27 x 12 x 13.5 meters with a wood and sheet-metal roof
- 3 Two lodges, each 7.2-meter square
- 4 Laboratory, three-story brick building, 54 x 12 x 13.5 meters, roof covered with roofing felt. The building also includes garages, the factory fire department, and a tool depot
- 5 Pump house for water supply, 9 x 9 x 10.8 meters
- 6 "Workshop No 42", steel and concrete structure, 108 x 54 x 10.8 meters; wooden roof covered with roofing felt
 - a Carpenter shop
 - b Electrical workshop
 - c Forge
 - d Offices
 - e Forge and lathe department
 - f Motor vehicle repair shop
- 7 Storage shed for pyrites, concrete structure with wood and sheet-metal roof, 63 x 63 x 13.5 meters (crushing plant and conveyor belt to the boiler house. Four Soviet 60-ton railroad cars can stand on the two tracks inside the building)
- 8 Conveyor system
- 9 Furnace department, also called combustion hall (sulphuric acid department, tower plant, and roasting furnaces) 27 x 36 x 9 meters, concrete structure with wood and sheet-metal roof, equipped with six electric furnaces; locksmith's shop in the annex.
- 10 Reserve electric filter
- 11 Electric filter in operation
- 12 Concrete building (steel skeleton), 63 x 13.5 x 18 meters; sulphuric acid contact plant
- 13 Two acid containers, capacity of 800 cu.m. each
- 14 Annex to workshop
- 15 Transformer house
- 16 Gasoline and oil dump, half underground, 10.5 x 9 x 3.6 meters
- 17 Superphosphate plant, concrete structure, 45 x 45 x 9 meters

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2 / Annex 1

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- 18 Apatite storage shed, concrete structure, 45 x 45 x 9 meters, with a conveyor belt to the superphosphate plant
- 19 Superphosphate storage and shipping shed, 117 x 22.5 x 10.8 meters, with various mechanisms for loading railroad cars

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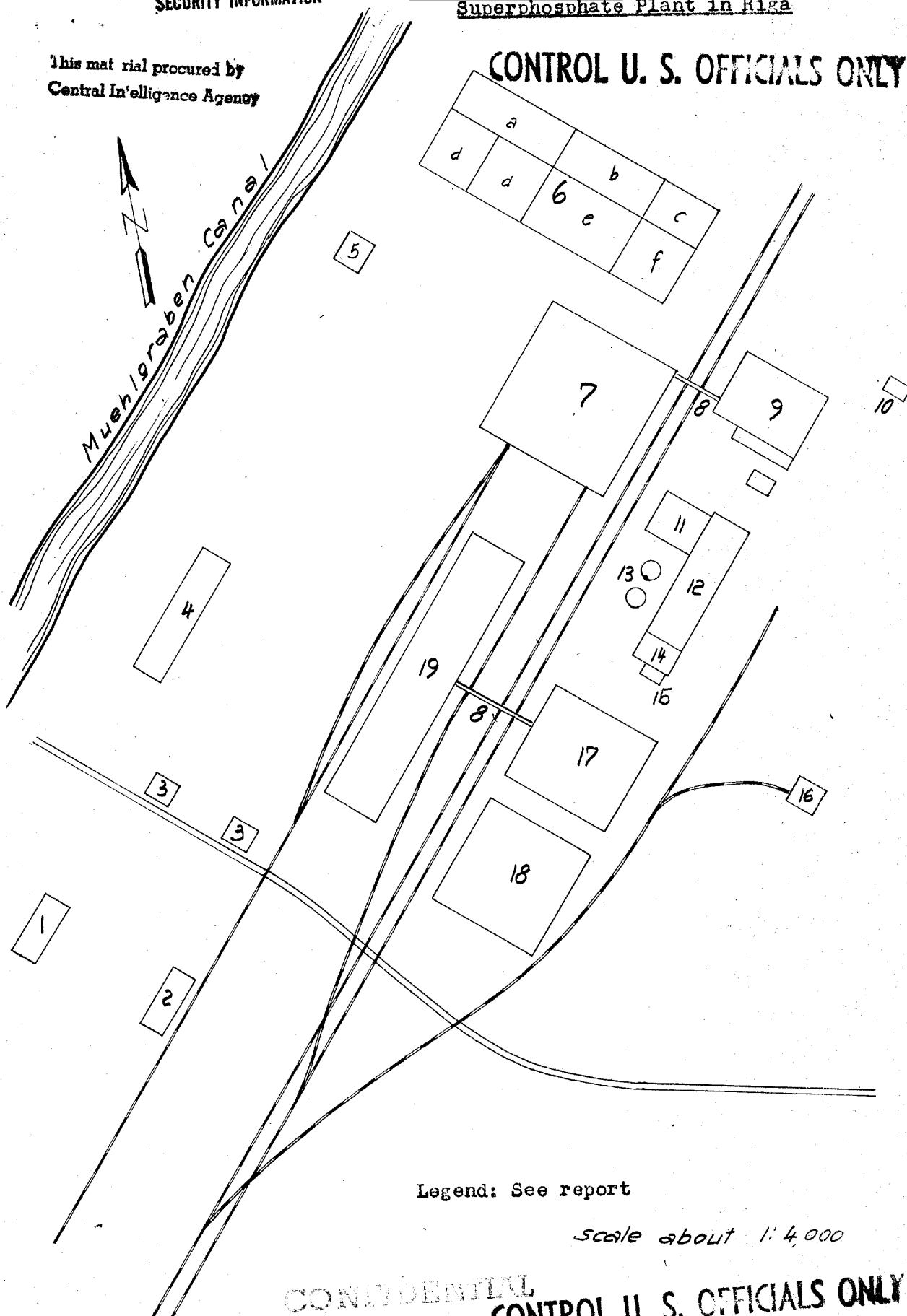
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Superphosphate Plant in Riga

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Legend: See report

Scale about 1:4,000

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1 / Annex 2

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Legend to Annex 2

- 1 Administration building
- 2 Club house
- 3 Two lodges
- 4 Laboratory
- 5 Storage facilities
- 6 Factory kitchen
- 7 Pump house with filters for water supply
- 8 Workshop for electricians, carpenters, mechanics, and plumbers; technical bureaus.
- 9 Pyrite dump, four or five stories, 36 x 30 meters, called "Kolkhote shed" by the Soviets
- 10 Crushing plant
- 11 Conveyor plant
- 12 Sulphuric acid tower plant, with five lead containers 3.6 meters long and 4.5 meters high and another lead container on the roof.
- 13 Roasting plant, with five to seven furnaces 5.4 meters in diameter and three stories high, 36 x 22.5 meters
- 14 a through d - Electric filters (d in reserve)
- 15 Rectifying plant
- 16 Sulphuric acid contact plant, with several steel boilers 5.4 meters in diameter and 22.5 meters high. Another boiler, about 3.6 meters in diameter and surrounded by a tower-like structure, is on the roof.
- 17 Four containers for sulphuric acid and recovery of nitric acid. The steel containers are lined with lead.
- 18 Temporary workshop
- 19 Transformer station
- 20 Apatite dressing plant
 - a Superphosphate department, building with flat roof, 72 x 36 meters (including building 21)
- 21 Apatite dump
- 22 Superphosphate dump and shipping department, 72 x 36 x 36 meters

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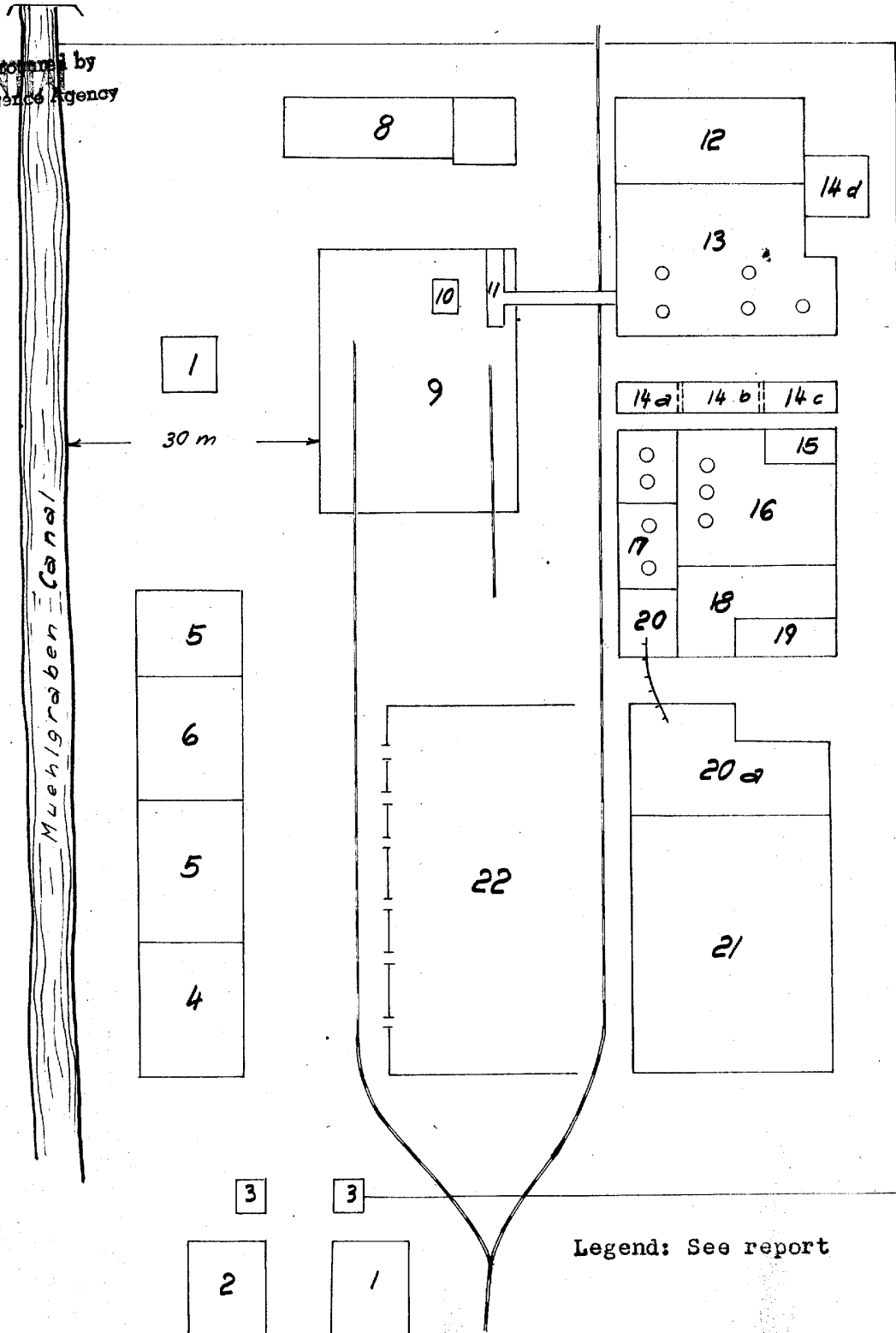
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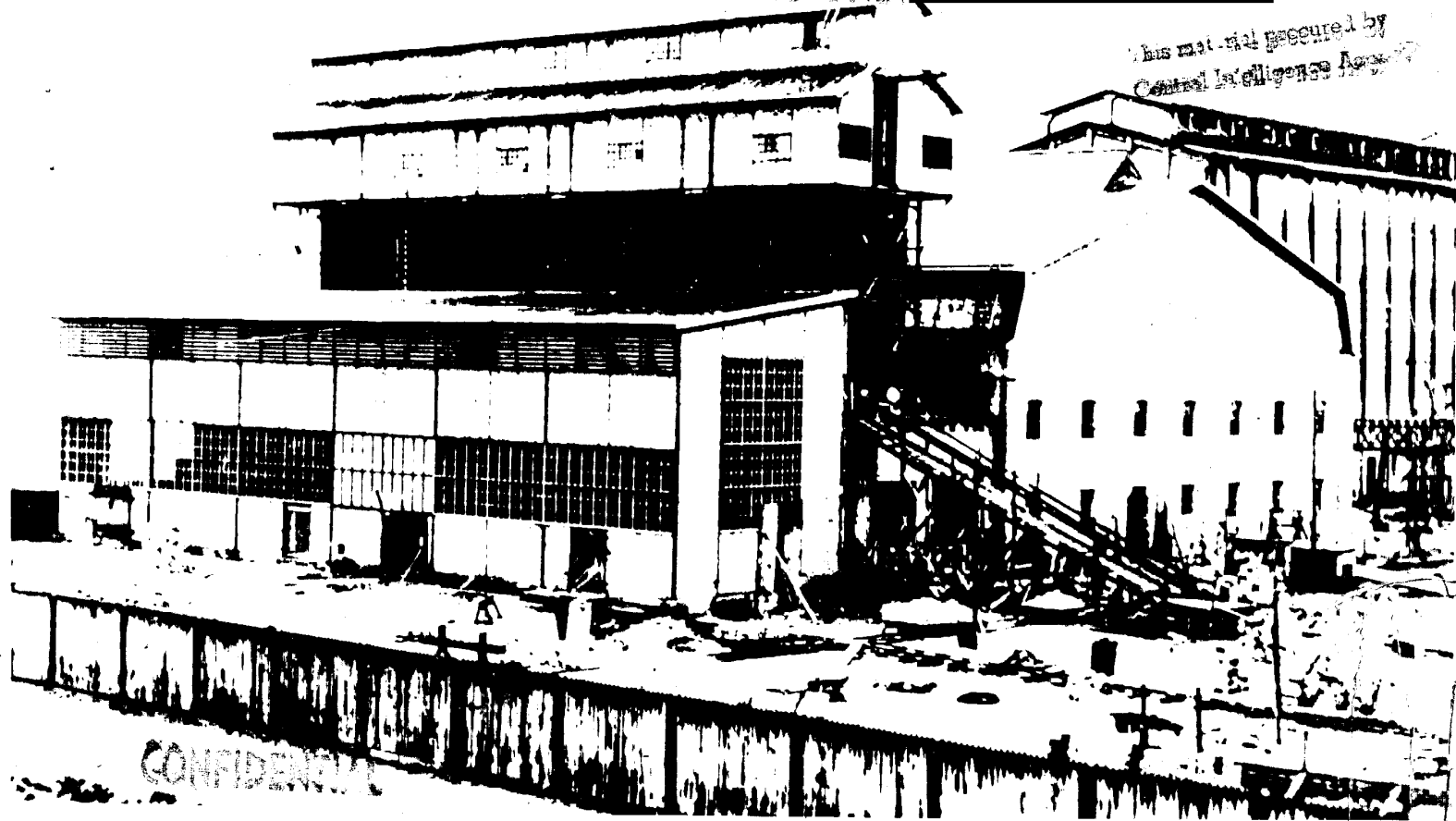
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Annex 3 to 25X1A

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